

WMA MP3 CD Player/Receiver with CD Changer Control

CQ-C1401U

WMA MP3 CD Player/Receiver

CQ-C1301U



(CQ-C1401U)



(Only for CQ-C1401U)

Please read these instructions (including "Limited Warranty" and "Customer Services Directory") carefully before using this product and keep this manual for future reference.

## Specifications

General	
Power supply	DC 12 V (11 V ~ 16 V DC), test voltage 14.4 V, negative ground
Current consumption	Less than 2.2 A (CD mode), 0.5 W 4 channels
Maximum power output	50 W x 4 (at 1 kHz), volume control maximum
Tone adjustment range	Bass: ±12 dB at 100 Hz Treble: ±12 dB at 10 kHz
Speaker impedance	4 - 8 Ω
Pre-amp output voltage	2.5 V (CD mode, 1 kHz, 0 dB)
Pre-amp output impedance	200 Ω
Subwoofer output voltage	2.5 V (only for CQ-C1401U)
Subwoofer output impedance	200 Ω (only for CQ-C1401U)
Dimensions (W x H x D)	173 x 50 x 160 mm (7" x 1 15/16" x 6 5/16")
Weight	1.3 kg (2 lbs. 14 oz)
FM Stereo Radio	
Frequency range	87.9 MHz - 107.9 MHz
Usable sensitivity	10.2 dBμ (75 Ω)
50 dB quieting sensitivity	15.2 dBμ (75 Ω)
Frequency response	30 Hz - 15 kHz (±3 dB)
Alternate channel selectivity	75 dB
Stereo separation	35 dB (1 kHz)
Image rejection ratio	55 dB
IF rejection ratio	100 dB
Signal to noise ratio	62 dB
AM Radio	
Frequency range	530 kHz - 1 710 kHz
Usable sensitivity	27 dBμV (S/N 20 dB)
Above specifications comply with EIA standards.	
Power Output:	17 W RMS x 4 Channels at 4 Ω and ≤ 1%
THD+N	
Signal to Noise Ratio:	85 dB (reference: 1 W into 4 Ω)
<b>Note:</b>	
• Specifications and design are subject to modification without notice due to improvements.	
• Some figures and illustrations in this manual may be different from your product.	

## Accessories

Accessories kit	Installation kit (YEP0F5698)	Mounting Collar (YEP0217283)
<b>Operating Instructions</b> (English: YEFM285597) (Français: YEFM285598) (Español: YEFM285599) Q'ty: 1 set	<b>Lock Cancel Plate</b> Q'ty: 2	<b>Trim Plate</b> (YEF05657) Q'ty: 1
<b>Installation Instructions</b> (YEFM293891) Q'ty: 1	<b>Mounting Bolt</b> Q'ty: 1	<b>Power Connector</b> (YEAJ02877) Q'ty: 1
<b>Owners Information Card</b> Q'ty: 1	<b>Rubber Bushing</b> Q'ty: 1	<b>Remote Control Unit (includes a battery)</b> (EUR7641016) Q'ty: 1
<b>Notes:</b> <ul style="list-style-type: none"> <li>The number in parentheses underneath each accessory part name is the part number for maintenance and service.</li> <li>Accessories and their part numbers are subject to modification without prior notice due to improvements.</li> <li>Mounting Collar and Trim Plate are mounted on the main unit at shipment.</li> </ul>	<b>Notes:</b> <ul style="list-style-type: none"> <li>Power Connector is not included in the installation kit.</li> <li>Remote Control Unit is not included in the installation kit.</li> </ul>	

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San Gabriel Industrial Park, Carolina, Puerto Rico 00985  
http://www.panasonic.com

Panasonic Canada Inc.  
5770 Ambler Drive, Mississauga, Ontario L4W 2T3  
http://www.panasonic.ca

## Safety Information

Read the operating instructions for the unit and all other components of your car audio system carefully before using the system. They contain instructions about how to use the system in a safe and effective manner. Panasonic assumes no responsibility for any problems resulting from failure to observe the instructions given in this manual.

**Warning**  
This pictograph intends to alert you to the presence of important operating instructions and installation instructions. Failure to heed the instructions may result in severe injury or death.

**Caution**  
This pictograph intends to alert you to the presence of important operating instructions and installation instructions. Failure to heed the instructions may result in injury or material damage.

### Warning

Observe the following warnings when using this unit.

❑ **The driver should neither watch the display nor operate the system while driving.**  
Watching the display or operating the system will distract the driver from looking ahead of the vehicle and can cause accidents. Always stop the vehicle in a safe location and use the parking brake before watching the display or operating the system.

❑ **Use the proper power supply.**  
This product is designed for operation with a negative grounded 12 V DC battery system. Never operate this product with other battery systems, especially a 24 V DC battery system.

❑ **Keep batteries and insulation film out of reach of infants.**  
Batteries and insulation film can be ingested, so keep them out of the reach of infants. If an infant ingests a battery or insulation film, please seek immediate medical attention.

❑ **Protect the Deck Mechanism.**  
Do not insert any foreign objects into the slot of this unit.

❑ **Do not disassemble, modify the unit or attempt to repair the product yourself.**  
If the product needs to be repaired, consult your dealer or an authorized Panasonic Servicenter.

❑ **Do not use the unit when it is out of order.**  
If the unit is out of order (no power, no sound) or in an abnormal state (has foreign objects in it, is exposed to water, is smoking, or smells), turn it off immediately and consult your dealer.

❑ **The remote control unit should not lie about in the car.**  
If the remote control unit lies about, it could fall on the floor while driving, get wedged under the brake pedal, and lead to a traffic accident.

❑ **Refer fuse replacement to qualified service personnel.**  
When the fuse blows out, eliminate the cause and have it replaced with the fuse prescribed for this unit by a qualified service engineer. Incorrect replacement of the fuse may lead to smoke, fire, and damage to the product.

This manual uses pictographs to show you how to use the product safely and to alert you to potential dangers resulting from improper connections and operations. The meanings of the pictographs are explained below. It is important that you fully understand the meanings of the pictographs in order to use this manual and the system properly.

### Observe the following warnings when installing.

❑ **Disconnect the lead from the negative (-) battery terminal before installation.**  
Wiring and installation with the negative (-) battery terminal connected may cause electrical shock and injury due to a short circuit. Some cars equipped with the electrical safety system have specific procedures of battery terminal disconnection.

**FAILURE TO FOLLOW THE PROCEDURE MAY LEAD TO THE UNINTENDED ACTIVATION OF THE ELECTRICAL SAFETY SYSTEM RESULTING IN DAMAGE TO THE VEHICLE AND PERSONAL INJURY OR DEATH.**

❑ **Never use safety-related components for installation, grounding, and other such functions.**  
Do not use safety-related vehicle components (fuel tank, brake, suspension, steering wheel, pedals, airbag, etc.) for wiring or fixing the product or its accessories.

❑ **Installing the product on the air bag cover or in a location where it interferes with airbag operation is prohibited.**

❑ **Check for piping, gasoline tank, electric wiring, and other items before installing the product.**  
If you need to open a hole in the vehicle chassis to attach or wire the product, first check where the wire harness, gasoline tank, and electric wiring are located. Then open the hole from outside if possible.

❑ **Never install the product in a location where it interferes with your field of vision.**

❑ **Never have the power cord branched to supply other equipment with power.**

❑ **After installation and wiring, you should check the normal operation of other electrical equipment.**  
The continuation of their using in abnormal conditions may cause fire, electrical shock or a traffic accident.

❑ **In the case of installation to an airbag-equiping car, confirm warnings and cautions of the vehicle manufacturer before installation.**

❑ **Make sure the leads do not interfere with driving or getting in and out of the vehicle.**

❑ **Insulate all exposed wires to prevent short circuiting.**

## Preparation

**1 Set your car's ignition switch to the ACC or ON position.**  
The demonstration screen appears.

**2 Press [DISP] (Display).**  
The demonstration screen is canceled, and no more appears.

**3 Press [SRC] (PWR: Power).**

**Battery Installation**  
Pull the insulation film out from the backside of the remote control gently.

**Note:** Battery Information:  
Battery Type: Panasonic lithium battery (CR2025) (Included in the remote control)  
Battery Life: Approximately 6 months under normal use (at room temperature)

**The 12-hour system is used for the clock.**

**1 Press [DISP] (CLOCK).**  
[ADJUST] (clock display)

**2 Hold down [DISP] (CLOCK) for more than 2 seconds.**  
FM 12:00 Hours blinks

**3 Adjust the hour.**  
[>]: sets the hour ahead.  
[<]: sets the hour back.

**4 Press [DISP] (CLOCK).**  
FM 1:00 Minutes blinks

**5 Adjust the minute.**  
[>]: sets the minute ahead.  
[<]: sets the minute back.

**6 Press [DISP] (CLOCK).**  
FM 1:15 Complete

**Notes:**

- "ADJUST" is displayed before adjusting the clock.
- Hold down [<] or [>] to change numbers rapidly.

### Caution

Observe the following cautions when using this unit.

❑ **Keep the sound volume at an appropriate level.**  
Keep the volume level low enough to be aware of road and traffic conditions while driving.

❑ **This unit is designed for use exclusively in automobiles.**

❑ **Do not operate the unit for a prolonged period with the engine turned off.**  
Operating the audio system for a long period of time with the engine turned off will drain the battery.

❑ **Do not expose the unit to direct sunlight or excessive heat.**  
Otherwise these will raise the interior temperature of the unit, and it may lead to smoke, fire, or other damage to the unit.

❑ **Do not use the product where it is exposed to water, moisture, or dust.**  
Exposure of the unit to water, moisture, or dust may lead to smoke, fire, or other damage to the unit. Make especially sure that the unit does not get wet in car washes or on rainy days.

❑ **Observe the following cautions when handling the battery for the remote control unit.**

• Use only specified battery (CR2025).

• Match the polarity of the battery with the (+) and (-) marks in the battery case.

• Replace dead battery as soon as possible.

• Remove the battery from the remote control unit when not using it for an extended period of time.

• Insulate the battery (by placing them in a plastic bag or covering them with vinyl tape) before disposal or storage.

• Dispose of the battery according to the local regulations.

• Do not disassemble, recharge, heat or short the battery. Do not throw a battery into a fire or water.

• **In case of battery leakage**  
• Thoroughly wipe the battery liquid off the battery case and insert new battery.

• If any part of your body or clothing comes into contact with battery liquid, wash it with plenty of water.

• If battery liquid comes into contact with your eyes, wash them with plenty of water and get immediate medical attention.

### The following applies only in the U.S.A.

**Part 15 of the FCC Rules**  
**FCC Warning:**  
Any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

❑ **Do not install the product where it is exposed to strong vibrations or is unstable.**  
Avoid slanted or strongly curved surfaces for installation. If the installation is not stable, the unit may fall down while driving and this can lead to an accident or injury.

❑ **Installation Angle**  
The product should be installed in a horizontal position with the front end up at a convenient angle, but not more than 30°.

❑ **Wear gloves for safety. Make sure that wiring is completed before installation.**

❑ **To prevent damage to the unit, do not connect the power connector until the whole wiring is completed.**

❑ **Do not connect more than one speaker to one set of speaker leads. (except for connecting to a tweeter)**

### Observe the following cautions when handling the battery for the remote control unit.

• Use only specified battery (CR2025).

• Match the polarity of the battery with the (+) and (-) marks in the battery case.

• Replace dead battery as soon as possible.

• Remove the battery from the remote control unit when not using it for an extended period of time.

• Insulate the battery (by placing them in a plastic bag or covering them with vinyl tape) before disposal or storage.

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• **In case of battery leakage**  
• Thoroughly wipe the battery liquid off the battery case and insert new battery.

• If any part of your body or clothing comes into contact with battery liquid, wash it with plenty of water.

• If battery liquid comes into contact with your eyes, wash them with plenty of water and get immediate medical attention.

### Caution

**THIS PRODUCT UTILIZES A CLASS I LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.**

## Before Reading These Instructions

Panasonic welcomes you to our constantly growing family of electronic products owners. We endeavor to give you the advantages of precise electronic and mechanical engineering, manufactured with carefully selected components, and assembled by people who are proud of the reputation their work has built for our company. We know this product will bring you many hours of enjoyment, and after you discover the quality, value and reliability we have built into it, you too will be proud to be a member of our family.

This operating instruction manual is for 2 models CQ-C1401U and CQ-C1301U. All illustrations throughout this manual represent model CQ-C1401U unless otherwise specified. The following table describes the differences between 2 models.

Features	Models	CQ-C1401U	CQ-C1301U
CD changer control	Yes	Yes	No
XM Satellite Radio	supported (XM receiver [XMD1000] is needed)	supported	not supported
Subwoofer output	Yes	Yes	No

### U.S.A.

Obtain Product Information and Operating Assistance, locate your nearest Dealer or Servicenter, purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at:

<http://www.panasonic.com/support> or, contact us via the web at:

<http://www.panasonic.com/contactinfo>

You may also contact us directly at:  
1-800-211-PANA (7262),  
Monday-Friday 9 am-9 pm; Saturday-Sunday 10 am-7 pm, EST.

(For hearing or speech impaired TTY users, TTY: 1-877-833-8855.)

**Accessory Purchases:**  
Purchase Parts, Accessories and Instruction Books online for all Panasonic Products by visiting our Web Site at:

<http://www.psc.panasonic.com>

You may also contact us directly at:  
1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only) (Monday-Friday 9 am to 8 pm, EST.)

Panasonic Services Center  
20421 84th Avenue South, Kent, WA 98032  
(We accept Visa, MasterCard, Discover Card, American Express, and Personal Checks)

(For hearing or speech impaired TTY users, TTY: 1-866-605-1277)

**Service in Puerto Rico**  
Matsushita Electric of Puerto Rico, Inc.  
Panasonic Sales Company  
Factory Servicenter:

Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985  
Phone (787) 750-4300, Fax (787) 768-2910

### CANADA

**WARRANTY SERVICE**  
For product operation and information assistance, please contact your Dealer or our Customer Care Centre at:

Telephone #: (905) 624-5505 Fax #: (905) 238-2360  
Web: www.panasonic.ca

For product repairs, please contact one of the following:  
• Your Dealer who will inform you of an authorized Servicenter nearest you.

• Our Customer Care Centre at (905) 624-5505 or www.panasonic.ca

• A Panasonic Factory Servicenter listed below:

**Richmond, British Columbia**  
Panasonic Canada Inc.  
12111 Riverside Way  
Richmond, BC V6W 1K8  
Tel: (604) 278-4211  
Fax: (604) 278-5627

**Calgary, Alberta**  
Panasonic Canada Inc.  
6835-8<sup>th</sup> St. N. E. Calgary,  
AB T2E 7H7  
Tel: (403) 295-3955  
Fax: (403) 274-5493

**Mississauga, Ontario**  
Panasonic Canada Inc.  
5770 Ambler Dr.  
Mississauga, ON L4W 2T3  
Tel: (905) 624-8447  
Fax: (905) 238-2418

**Lachine, Quebec**  
Panasonic Canada Inc.  
3075, rue Louis A. Amos  
Lachine, QC H8T 1C4  
Tel: (514) 633-8624  
Fax: (514) 633-8020

## Notes on Discs

If you use commercial CDs, they must have the label shown at right.  
Some copy-protected music CDs are not playable.

**How to hold a disc**

- Do not touch the underside of a disc.
- Do not scratch a disc.
- Do not bend a disc.
- When not in use, keep a disc in a case.

**Do not use irregularly shaped discs.**  
**Do not leave discs in the following places:**

- Direct sunlight
- Near car heaters
- Dirty, dusty and damp areas
- Seats and dashboards

**Disc cleaning**  
Use a dry, soft cloth to wipe from the center outward.

**Do not attach any seals or labels to your discs.**  
**Do not write on the disc label with a ballpoint pen or other hard-point pens.**

**Notes on CD/CD Media (CD-ROM, CD-R, CD-RW)**

• You may have trouble playing back some CD-RW discs recorded using CD recorders (CD-RW drives), either due to their recording characteristics or dirt, fingerprints, scratches, etc. on the disc surface.

• CD-RW discs are less resistant to high temperatures and high humidity than ordinary music CDs. Leaving them inside a car for extended periods may damage and make playback impossible.

• Some CD-RW's cannot be played back successfully due to incompatibility among writing software, a CD recorder (CD-RW drive) and the discs.

• This player cannot play the CD-RW discs if the session is not closed.

• This player cannot play the CD-RW discs which contain other than CD-DA data or MP3/WMA (Video CD, etc.).

• Be sure to observe the instructions of the CD-RW disc for handling it.

**Recording MP3/WMA files on a CD-media**

• You are recommended to minimize the chances of making a disc that contains both CD-DA files and MP3/WMA files.

• If CD-DA files are on the same disc as MP3 or WMA files, the songs may not play in the intended order, or some songs may not play at all.

• When storing MP3 data and WMA data on the same disc, use different folders for each data.

• Do not record files other than MP3/WMA files and unnecessary folder on a disc.

• The name of MP3/WMA file should be added by rules as shown in the following descriptions and also comply with the rules of each file system.

### U.S.A.

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DIVISION OF MATSUSHITA ELECTRIC OF PUERTO RICO, INC.  
Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park,  
Carolina, Puerto Rico 00985

### PANASONIC AUTO PRODUCTS LIMITED WARRANTY

**LIMITED WARRANTY COVERAGE**  
If your product does not work properly because of defects in materials and workmanship:

Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the warrantor") will, for the length of the period indicated in the chart below, which starts with the date of original purchase ("warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or refurbished product. The decision to repair or replace will be made by the warrantor.

The decision to repair or replace will be made by the warrantor.

Customer's Record  
Model No.  
Serial No.  
Dealer's No.  
Code No.

Dealer's Address  
Date of Purchase

**CANADA**  
Panasonic Canada Inc.  
5770 Ambler Drive, Mississauga Ontario L4W 2T3

**PANASONIC PRODUCT LIMITED WARRANTY**  
Panasonic Canada Inc. warrants this product to be free from defects in materials and workmanship and agrees to remedy any such defect for a period as stated below from the date of original purchase.

**CD AUDIO PRODUCT - ONE (1) YEAR, PARTS AND LABOR**  
(The labour to install or remove the product is not warranted)

**LIMITATIONS AND EXCLUSIONS**  
This warranty does not apply to products purchased outside Canada or to any product which has been improperly installed, subjected to usage for which the product was not designed, misused or abused, damaged during shipping, or which has been altered or repaired in any way that affects the reliability or detracts from the performance, nor does it cover any product which is used commercially. Dry cell batteries are also excluded from coverage under this warranty.

This warranty is extended to the original end user purchaser only. A purchase receipt or other proof of the original purchase date is required before warranty service is performed.

**THIS EXPRESS, LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

**WE DO NOT Warrant PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES.**

In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable.

# Remote Control Unit

**Note:** This instruction manual explains operations for use with the buttons on the main unit. (Different operations excluded)

**[0] to [9]** selects a preset station/channel (1 to 6), presets the current station/channel (Hold it down for more than 2 seconds.), inputs the number in direct selection.

**[#] (NUMBER)** executes the direct selection.

**[RANDOM] [SCAN] [REPEAT]** toggles on/off each play mode.

**[<|>]** down/up the frequency (Hold it down for more than 0.5 seconds and release it for seek tuning.), selects a channel.

**[V] [A]** skip to the previous/next folder/disc in player mode, selects a category.

**[←|→]** skip to the previous/next track/file in player mode. Hold it down for fast reverse/fast forward.

**[BAND]** selects a band in the tuner source, toggles pause/play in player source, executes the APM in tuner source (Hold it down for more than 2 seconds), toggles category mode on/off in the XM Satellite Radio source **CO-C1401U**.

**[SRC] (SOURCE)** selects a source.

**[POWER]** toggles power on/off.

**[MENU] (SEL)** selects the items in the audio menu.

**[VOL] (volume)** adjusts the volume, and selects the value in the audio menu, etc.

**[MUTE]** toggles mute on/off.

**[DISP] (Display)** switches the information on display, and exits the audio menu.

**Direct Access**

A track (CD mode), disc (CD changer **CO-C1401U**), file, folder (MP3/WMA mode) and channel (XM Satellite Radio **CO-C1401U**) can be directly selected.

**Example:** Track number 5

- Press **[#] (NUMBER)**.
- Press **[5]**.
- Press **[BAND] (SET)**.

**Notes:**

- To suspend direct selection, press **[DISP]**
- For folder selection, enter a number after pressing **[#] (NUMBER)** twice.
- If there is no playable file in the selected folder, the first file or folder on the disc is selected.

**Functions only on Main unit**

The following functions are not available on remote control unit.

- Demonstration
- SD selection
- Scroll
- Disc eject

**Battery Replacement**

Tough pointed object

- Stick your thumbnail into the groove, and push the holder in the direction of the arrow at the same time.
- Pull it out in the direction of the arrow using a tough pointed object.

Put a battery in the case with (+) side facing up.

Put the case back.

**Warning**

- Keep batteries away from children to avoid the risk of accidents. If an infant ingests a battery, please seek immediate medical attention.

**Caution**

- Remove and dispose of an old battery immediately.
- Do not disassemble, heat or short a battery. Do not throw a battery into a fire or water.
- Follow local regulations when disposing of a battery.
- Improper use of batteries may cause overheating, an explosion or ignition, resulting in injury or a fire.

**Notes:** Battery Information:  
Battery Type: Panasonic lithium battery (CR2025) (Included in the remote control)  
Battery Life: Approximately 6 months under normal use (at room temperature)

# Player (Disc Player and CD Changer)

**Disc slot** takes a disc in with the printed side facing up.

**Notes:**

- The power will be turned on automatically when a disc is loaded.
- A disc which has both CD-DA data and MP3/WMA data on it may not be reproduced normally.

**[Eject]** ejects the disc.

**[DISP] (Display)** switches the information on the display.

**[A] [V]** skip to the previous/next disc in CD changer mode **CO-C1401U** and skip to the previous/next folder in MP3/WMA mode.

**[SRC] (Source)** selects a source.

**(RANDOM) (SCAN) (REPEAT)** toggles on/off each play mode.

**(SCROLL)** scrolls the information on display. (CD/MP3/WMA mode)

**Caution**

- Do not insert a disc when the indicator lights.
- Refer to the section of "Notes on Discs" and "Notes on MP3/WMA".
- This unit does not support 8 cm (3") discs.
- If you insert an 8 cm (3") disc and cannot eject it, turn ACC of your car off once and turn it on again, then press **[Eject]**.
- Do not insert foreign objects into the disc slot.

**1** Press **[SRC]** to select the Disc Player source.

**2** Select a desired portion.

**Track/file selection**

Press **[←|→] / [▶|←]**.

**Note:** To perform fast forward/reverse, hold down either of them.

**Disc Player (CD-DA disc):** Previous/next track

**Disc Player (MP3/WMA disc):** Previous/next file

**Folder/disc selection**

Press **[V] / [A]**.

**Disc Player (MP3/WMA disc):** Previous/next folder

**CD Changer:** Previous/next disc

**Pause**

Press **[BAND] (II / ▶)**.

Press again to cancel.

**Note:** Pressing does not function in the CD changer mode.

**Operation Flow**

**1** Press **[SRC]** to select the XM Satellite Radio source.

**2** Check of XM Satellite Radio ID.

**3** Write down the ID indicated on the lower right of your XM receiver (XMD1000).

**4** Check the ID shown by tuning your XM Radio to channel 0. (Refer to "Channel adjustment")

**5** Activate the XM Satellite Radio.

Select either of the below to sign up.

- Web site: <http://www.xmradio.com/activation>
- Phone number: 1-800-852-9696

**6** Select a channel.

**Channel adjustment**

**[<|>]** Lower  
**[>|<]** Higher

**Note:** Channel selection is not available during the reception of channel 1 with category ON. To receive other channels, set the category to OFF or switch to another category.

**Preset channel selection**

Press the corresponding preset button from **[1] to [6]** to tune in a preset channel.

# General

**[VOL] (Volume)** selects a band in the radio source.

**[APM] (Auto Preset Memory)** executes APM in the radio source. (Hold it down for more than 2 seconds.)

**[SRC] (Source)** selects a source.

**[PWR] (Power)** toggles power on/off.

**[MUTE]** toggles mute on/off.

**[SQ] (Sound Quality)** selects a sound type (SQ).

**[DISP] (Display)** switches the information on display, and exits the audio menu.

**[BAND]** selects a band in the radio source.

**[APM] (Auto Preset Memory)** executes APM in the radio source. (Hold it down for more than 2 seconds.)

**[SRC] (Source)** selects a source.

**[PWR] (Power)** toggles power on/off.

**[MUTE]** toggles mute on/off.

**[SQ] (Sound Quality)** selects a sound type (SQ).

**Power On/Off**

Set your car's ignition switch to the ACC or ON position.

**Power on:** Press **[SRC] (PWR)**.

**Power off:** Hold down **[SRC] (PWR)** for more than 1 second.

**Source Selection**

Press **[SRC]** to change the source.

**Radio** → **Disc Player** → **CD Changer or XM radio**

**Volume Adjustment**

(Setting Range: 0 to 40, Default: 18)

Turn **[VOL]**.

**Mute**

**ON:** Press **[MUTE]**. (MUTE lights.)

**OFF:** Press **[MUTE]** again.

**SQ (Sound Quality)**

SQ is a function that can call up various sound types at the touch of button in accordance with your listening music type.

Press **[SQ]** to select the sound type as follows:

- FLAT** (FLAT) flat frequency response: does not emphasize any part. (Default)
- ROCK** (ROCK) speedy and heavy sound: exaggerates bass and treble.
- POP** (POP) wide-ranged and deep sound: slightly emphasizes bass and treble.
- VOCAL** (VOCAL) clear sound: emphasizes middle tone and slightly emphasizes treble.

**Note:** Settings of SQ, bass and treble are influenced one another. If such an influence causes distortion to the audio signal, readjust bass/treble or volume.

# Player Source Display

**CD-DA mode display**

Track number Play time

Play Mode indicators

**MP3/WMA mode display**

lights when folder random/repeat/scan is on.

Folder number File number

Play Mode indicators

**CD Changer mode display** **CO-C1401U**

Track number Disc number

Play Mode indicators (blinks when disc random/repeat is on)

**Display change**

Press **[DISP]** to change the display.

**Disc Player (CD-DA disc):** Disc Player (MP3/WMA disc):

**CO-C1401U** CD Changer:

**\*ID3/WMA Tag On/Off**

Hold down **[3]** for more than 2 seconds.

**album title and song title/artist name are displayed.**

**TRG ON**

**TRG OFF** (Default)

folder name/file name are displayed.

**Notes:**

- For scrolling text, press **[3] (SCROLL)**.
- "NO TEXT" is displayed when there is no information on the disc.
- This unit does not support CD text display. (CD changer mode) **CO-C1401U**

**Random play**

All the available tracks/files are played in a random sequence.

Press **[4] (RANDOM)**.

Press again to cancel.

**Random play (folder/disc)**

All the available files/tracks in current folder/disc are played in a random sequence.

Hold down **[4] (RANDOM)** for more than 2 seconds.

Hold down again to cancel.

**Repeat play**

The current track/file is repeated.

Press **[6] (REPEAT)**.

Press again to cancel.

**Repeat play (folder/disc)**

From the next folder/disc, the first 10 seconds of the first file/track in each album is played in sequence.

Hold down **[5] (SCAN)** for more than 2 seconds.

Hold down again to cancel.

# Radio (AM/FM)

**[BAND]** selects a band in the radio source.

**[APM] (Auto Preset Memory)** executes APM in the radio source. (Hold it down for more than 2 seconds.)

**[SRC] (Source)** selects a source.

**[1] to [6]** selects a preset station in the radio source, and presets the current station. (Hold it down for more than 2 seconds.)

**[TUNE <|>]** down/up the frequency. (Hold it down for more than 0.5 seconds and release it for seek tuning.)

**[DISP] (Display)** switches the information on the display.

**[SRC] (Source)** selects a source.

**[1] to [6]** selects a preset station in the radio source, and presets the current station. (Hold it down for more than 2 seconds.)

**[TUNE <|>]** down/up the frequency. (Hold it down for more than 0.5 seconds and release it for seek tuning.)

**[DISP] (Display)** switches the information on the display.

**Operation Flow**

- Press **[SRC]** to select the radio source.
- Press **[BAND]** to select a band.
- Select a station.

**Frequency adjustment**

**[TUNE <|>]** Lower  
**[TUNE >|<]** Higher

**Note:** Hold down either of them for more than 0.5 seconds and release it for seek tuning.

**Preset station selection**

Press the corresponding preset button from **[1] to [6]** to tune in a preset station.

# XM Satellite Radio

**Preparation:**

- You can connect the optional XM receiver (XMD1000) with optional Digital Adapter (XMDPAN100). For details, refer to the operating instructions for the XM receiver.
- Toll free number: XM Tuner P/N: XMD1000 Call 1-800-XM-RADIO(96-72346) Extension cord P/N: XMDPAN100 Call 1-800-942-TERK(8375)

**About XM**

The direct satellite-to-receiver broadcasting technology is used to provide listeners with crystal clear sound smoothly from coast to coast. XM is over 130 channels of sheer variety: digital-quality music, news, sports, comedy, traffic & weather, talk, children's programs, and more. The XM name and related logos are trademarks of XM Satellite Radio Inc.

**[BAND]** selects a band in the XM Satellite Radio source. (Category) toggles on/off the category mode. (Hold it down for more than 2 seconds.)

**[SRC] (Source)** selects a source.

**[1] to [6]** selects a preset channel in the XM Satellite Radio source, and presets the current channel. (Hold it down for more than 2 seconds.)

**[<|>]** select a channel.  
**[A] [V]** select a category in the category mode.

**[DISP] (Display)** switches the information on the display.

**[SRC] (Source)** selects a source.

**[1] to [6]** selects a preset channel in the XM Satellite Radio source, and presets the current channel. (Hold it down for more than 2 seconds.)

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